Gianluigi Zanusso

List of Publications by Year
in descending order

132	6,446	66234	74018
papers	citations	42 h-index	75 g-index

139	139	139	5087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of a second bovine amyloidotic spongiform encephalopathy: Molecular similarities with sporadic Creutzfeldt-Jakob disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3065-3070.	3.3	402
2	A Test for Creutzfeldtâ€“Jakob Disease Using Nasal Brushings. New England Journal of Medicine, 2014, 371, 519-529.	13.9	291
3	Rapid and ultra-sensitive quantitation of disease-associated Î±-synuclein seeds in brain and cerebrospinal fluid by Î±Syn RT-QuIC. Acta Neuropathologica Communications, 2018, 6, 7.	2.4	245
4	Corticobasal degeneration shares a common genetic background with progressive supranuclear palsy. Annals of Neurology, 2000, 47, 374-377.	2.8	216
5	Rapid and Sensitive RT-QuIC Detection of Human Creutzfeldt-Jakob Disease Using Cerebrospinal Fluid. MBio, 2015, 6, .	1.8	193
6	Prion protein expression in different species: Analysis with a panel of new mAbs. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8812-8816.	3.3	182
7	Diagnosis of Human Prion Disease Using Real-Time Quaking-Induced Conversion Testing of Olfactory Mucosa and Cerebrospinal Fluid Samples. JAMA Neurology, 2017, 74, 155.	4.5	176
8	The Chaperone Protein BiP Binds to a Mutant Prion Protein and Mediates Its Degradation by the Proteasome. Journal of Biological Chemistry, 2000, 275, 38699-38704.	1.6	155
9	Proteasomal Degradation and N-terminal Protease Resistance of the Codon 145 Mutant Prion Protein. Journal of Biological Chemistry, 1999, 274, 23396-23404.	1.6	153
10	Biomarkers and diagnostic guidelines for sporadic Creutzfeldt-Jakob disease. Lancet Neurology, The, 2021, 20, 235-246.	4.9	151
11	Conversion of the BASE Prion Strain into the BSE Strain: The Origin of BSE?. PLoS Pathogens, 2007, 3, e31.	2.1	146
12	Detection of Pathologic Prion Protein in the Olfactory Epithelium in Sporadic Creutzfeldtâ€“Jakob Disease. New England Journal of Medicine, 2003, 348, 711-719.	13.9	142
13	Evaluation of the Human Transmission Risk of an Atypical Bovine Spongiform Encephalopathy Prion Strain. Journal of Virology, 2008, 82, 3697-3701.	1.5	141
14	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Encephalitis Is a Cytokine Release Syndrome: Evidences From Cerebrospinal Fluid Analyses. Clinical Infectious Diseases, 2021, 73, e3019-e3026.	2.9	131
15	Atypical BSE (BASE) Transmitted from Asymptomatic Aging Cattle to a Primate. PLoS ONE, 2008, 3, e3017.	1.1	119
16	Ultrasensitive and selective detection of 3-repeat tau seeding activity in Pick disease brain and cerebrospinal fluid. Acta Neuropathologica, 2017, 133, 751-765.	3.9	110
17	Advanced tests for early and accurate diagnosis of Creutzfeldtâ€“Jakob disease. Nature Reviews Neurology, 2016, 12, 325-333.	4.9	105
18	Proteome analysis in the clinical chemistry laboratory: Myth or reality?. Clinica Chimica Acta, 2005, 357, 123-139.	0.5	99

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19	Seeding selectivity and ultrasensitive detection of tau aggregate conformers of Alzheimer disease. Acta Neuropathologica, 2019, 137, 585-598.	3.9	95
20	The Expression and Potential Function of Cellular Prion Protein in Human Lymphocytes. Cellular Immunology, 2001, 207, 49-58.	1.4	93
21	Alpha-synuclein seeds in olfactory mucosa of patients with isolated REM sleep behaviour disorder. Brain, 2021, 144, 1118-1126.	3.7	92
22	4-Repeat tau seeds and templating subtypes as brain and CSF biomarkers of frontotemporal lobar degeneration. Acta Neuropathologica, 2020, 139, 63-77.	3.9	89
23	Î±â€Synuclein RTâ€QuIC assay in cerebrospinal fluid of patients with dementia with Lewy bodies. Annals of Clinical and Translational Neurology, 2019, 6, 2120-2126.	1.7	87
24	Clinical Presentation and Outcomes of Severe Acute Respiratory Syndrome Coronavirus 2â€“Related Encephalitis: The ENCOVID Multicenter Study. Journal of Infectious Diseases, 2021, 223, 28-37.	1.9	87
25	Prion Protein Aggregation Reverted by Low Temperature in Transfected Cells Carrying a Prion Protein Gene Mutation. Journal of Biological Chemistry, 1997, 272, 28461-28470.	1.6	86
26	HCV-Related Nervous System Disorders. Clinical and Developmental Immunology, 2012, 2012, 1-9.	3.3	84
27	Hepatitis C virus-associated neurocognitive and neuropsychiatric disorders: Advances in 2015. World Journal of Gastroenterology, 2015, 21, 11974.	1.4	80
28	Extended and direct evaluation of <scp>RT</scp>â€Qu<scp>IC</scp> assays for Creutzfeldtâ€Jakob disease diagnosis. Annals of Clinical and Translational Neurology, 2017, 4, 139-144.	1.7	79
29	Identification of Distinct N-terminal Truncated Forms of Prion Protein in Different Creutzfeldt-Jakob Disease Subtypes. Journal of Biological Chemistry, 2004, 279, 38936-38942.	1.6	76
30	Intraspecies Transmission of BASE Induces Clinical Dullness and Amyotrophic Changes. PLoS Pathogens, 2008, 4, e1000075.	2.1	75
31	Sporadic Creutzfeldt-Jakob disease prion infection of human cerebral organoids. Acta Neuropathologica Communications, 2019, 7, 90.	2.4	67
32	Inactivation of Prions and Amyloid Seeds with Hypochlorous Acid. PLoS Pathogens, 2016, 12, e1005914.	2.1	66
33	T-cell-mediated epineurial vasculitis and humoral-mediated microangiopathy in cryoglobulinemic neuropathy. Journal of Neuroimmunology, 1997, 73, 145-154.	1.1	64
34	A single ultrasensitive assay for detection and discrimination of tau aggregates of Alzheimer and Pick diseases. Acta Neuropathologica Communications, 2020, 8, 22.	2.4	64
35	On the Question of Sporadic or Atypical Bovine Spongiform Encephalopathy and Creutzfeldt-Jakob Disease. Emerging Infectious Diseases, 2006, 12, 1816-1821.	2.0	60
36	Prion deposition in olfactory biopsy of sporadic Creutzfeldt-Jakob disease. Annals of Neurology, 2004, 55, 294-296.	2.8	57

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37	Million-fold sensitivity enhancement in proteopathic seed amplification assays for biospecimens by Hofmeister ion comparisons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23029-23039.	3.3	56
38	Association of a Presenilin 1 S170F Mutation With a Novel Alzheimer Disease Molecular Phenotype. Archives of Neurology, 2007, 64, 738.	4.9	54
39	Detection and Discrimination of Classical and Atypical L-Type Bovine Spongiform Encephalopathy by Real-Time Quaking-Induced Conversion. Journal of Clinical Microbiology, 2015, 53, 1115-1120.	1.8	49
40	Rac1 activation links tau hyperphosphorylation and AÎ² dysmetabolism in Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 61.	2.4	49
41	pH-dependent Prion Protein Conformation in Classical Creutzfeldt-Jakob Disease. Journal of Biological Chemistry, 2001, 276, 40377-40380.	1.6	46
42	Experimental Induction of Myelin Changes by Anti-MAG Antibodies and Terminal Complement Complex. Journal of Neuropathology and Experimental Neurology, 1995, 54, 96-104.	0.9	45
43	Human peripheral nerve macrophages in normal and pathological conditions. Journal of the Neurological Sciences, 1993, 118, 158-168.	0.3	43
44	Detection of prion seeding activity in the olfactory mucosa of patients with Fatal Familial Insomnia. Scientific Reports, 2017, 7, 46269.	1.6	41
45	Serum and CSF neurofilament light chain levels in antibody-mediated encephalitis. Journal of Neurology, 2019, 266, 1643-1648.	1.8	41
46	Two-dimensional mapping of three phenotype-associated isoforms of the prion protein in sporadic Creutzfeldt-Jakob disease. Electrophoresis, 2002, 23, 347-355.	1.3	40
47	Human cerebral organoids as a therapeutic drug screening model for Creutzfeldtâ€“Jakob disease. Scientific Reports, 2021, 11, 5165.	1.6	40
48	Microglial and Neuronal TDP-43 Pathology in Anti-IgLON5-Related Tauopathy. Journal of Alzheimer's Disease, 2017, 59, 13-20.	1.2	39
49	High Diagnostic Accuracy of RT-QuIC Assay in a Prospective Study of Patients with Suspected sCJD. International Journal of Molecular Sciences, 2020, 21, 880.	1.8	38
50	Increased Expression of the Normal Cellular Isoform of Prion Protein in Inclusionâ€Body Myositis, Inflammatory Myopathies and Denervation Atrophy. Brain Pathology, 2001, 11, 182-189.	2.1	37
51	Dominantly inherited prion protein cerebral amyloidoses â€“ a modern view of Gerstmannâ€“StrÃ¤usslerâ€“Scheinker. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 153, 243-269.	1.0	37
52	Alpha-synuclein seeds in olfactory mucosa and cerebrospinal fluid of patients with dementia with Lewy bodies. Brain Communications, 2021, 3, fcab045.	1.5	37
53	Searching for markers of Creutzfeldt-Jakob disease in cerebrospinal fluid by two-dimensional mapping. Proteomics, 2006, 6, S256-S261.	1.3	36
54	Novel Prion Protein Conformation and Glycotype in Creutzfeldt-Jakob Disease. Archives of Neurology, 2007, 64, 595.	4.9	36

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55	Cerebrospinal Fluid Markers in Sporadic Creutzfeldt-Jakob Disease. International Journal of Molecular Sciences, 2011, 12, 6281-6292.	1.8	36
56	Enhanced Expression of NGF Receptors in Multiple Sclerosis Lesions. Journal of Neuropathology and Experimental Neurology, 2002, 61, 91-98.	0.9	35
57	Comparative two-dimensional mapping of prion protein isoforms in human cerebrospinal fluid and central nervous system. Electrophoresis, 2002, 23, 339-346.	1.3	35
58	Assessment of Outcome Predictors in First-Episode Acute Myelitis. Archives of Neurology, 2010, 67, 724-30.	4.9	35
59	Neurodegeneration-Associated Proteins in Human Olfactory Neurons Collected by Nasal Brushing. Frontiers in Neuroscience, 2020, 14, 145.	1.4	33
60	Tumor Necrosis Factor Î± and Human Schwann Cells: Signalling and Phenotype Modulation Without Cell Death. Journal of Neuropathology and Experimental Neurology, 2000, 59, 74-84.	0.9	32
61	Prion protein amplification techniques. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 153, 357-370.	1.0	32
62	The Proteome: Anno Domini 2002. Clinical Chemistry and Laboratory Medicine, 2003, 41, 425-38.	1.4	31
63	Simultaneous occurrence of spongiform encephalopathy in a man and his cat in Italy. Lancet, The, 1998, 352, 1116-1117.	6.3	29
64	COVID-19 impact on consecutive neurological patients admitted to the emergency department. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 218-220.	0.9	28
65	Validation of Revised International Creutzfeldt-Jakob Disease Surveillance Network Diagnostic Criteria for Sporadic Creutzfeldt-Jakob Disease. JAMA Network Open, 2022, 5, e2146319.	2.8	28
66	Ring trial of 2nd generation RTâ€QuIC diagnostic tests for sporadic CJD. Annals of Clinical and Translational Neurology, 2020, 7, 2262-2271.	1.7	27
67	Neurosyphilis manifesting with rapidly progressive dementia: report of three cases. Neurological Sciences, 2013, 34, 2027-2030.	0.9	26
68	Accuracy of Diagnostic Criteria for Sporadic Creutzfeldt-Jakob Disease Among Rapidly Progressive Dementia. Journal of Alzheimer's Disease, 2013, 34, 231-238.	1.2	26
69	Hemoglobin mRNA Changes in the Frontal Cortex of Patients with Neurodegenerative Diseases. Frontiers in Neuroscience, 2018, 12, 8.	1.4	26
70	Phosphorylated 14-3-3Â protein in the CSF of neuroleptic-treated patients. Neurology, 2005, 64, 1618-1620.	1.5	25
71	Detection of CSF 14-3-3 protein in Guillain-Barre syndrome. Neurology, 2006, 67, 2211-2216.	1.5	25
72	Neuroinvasion of the 263K scrapie strain after intranasal administration occurs through olfactory-unrelated pathways. Acta Neuropathologica, 2009, 117, 175-184.	3.9	25

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73	Infectivity in Skeletal Muscle of Cattle with Atypical Bovine Spongiform Encephalopathy. PLoS ONE, 2012, 7, e31449.	1.1	23
74	Increased Glutaminyl Cyclase Expression in Peripheral Blood of Alzheimer's Disease Patients. Journal of Alzheimer's Disease, 2013, 34, 263-271.	1.2	23
75	Transmission of CJD from nasal brushings but not spinal fluid or RTâ€QuIC product. Annals of Clinical and Translational Neurology, 2020, 7, 932-944.	1.7	23
76	A Test for Creutzfeldtâ€“Jakob Disease Using Nasal Brushings. New England Journal of Medicine, 2014, 371, 1842-1843.	13.9	21
77	Allelic Origin of Protease-Sensitive and Protease-Resistant Prion Protein Isoforms in Gerstmann-StrÃussler-Scheinker Disease with the P102L Mutation. PLoS ONE, 2012, 7, e32382.	1.1	20
78	Longâ€term preclinical magnetic resonance imaging alterations in sporadic Creutzfeldtâ€“Jakob disease. Annals of Neurology, 2016, 80, 629-632.	2.8	19
79	Clearance of 14-3-3 Protein from Cerebrospinal Fluid Heralds the Resolution of Bacterial Meningitis. Clinical Infectious Diseases, 2003, 36, 1492-1495.	2.9	18
80	Immunoaffinity reactors for prion protein qualitative analysis. Proteomics, 2005, 5, 639-647.	1.3	18
81	Cerebrospinal fluid biomarkers in clinically isolated syndromes and multiple sclerosis. Proteomics - Clinical Applications, 2007, 1, 963-971.	0.8	18
82	Serpin Signatures in Prion and Alzheimerâ€™s Diseases. Molecular Neurobiology, 2022, 59, 3778-3799.	1.9	18
83	Analysis of mammalian scrapie protein by novel monoclonal antibodies recognizing distinct prion protein glycoforms: an immunoblot and immunohistochemical study at the light and electron microscopic levels. Brain Research Bulletin, 2005, 65, 155-162.	1.4	17
84	Cerebral Amyloidoses: Molecular Pathways and Therapeutic Challenges. Current Medicinal Chemistry, 2006, 13, 1903-1913.	1.2	17
85	Progressive multifocal leukoencephalopathy in a patient with Good's syndrome. International Journal of Infectious Diseases, 2010, 14, e444-e447.	1.5	16
86	A randomized controlled trial of IV immunoglobulin in patients with postpolio syndrome. Journal of the Neurological Sciences, 2013, 330, 94-99.	0.3	16
87	Increased serum levels of ICAM-1, ELAM-1 and TNF-Î± in inflammatory disorders of the peripheral nervous system. Italian Journal of Neurological Sciences, 1994, 15, 267-271.	0.1	15
88	HIV-associated PML presenting as epilepsia partialis continua. Journal of the Neurological Sciences, 1998, 161, 180-184.	0.3	15
89	Molecular analysis of iatrogenic scrapie in Italy. Journal of General Virology, 2003, 84, 1047-1052.	1.3	15
90	Gerstmann-StrÃussler-Scheinker Disease and â€œAnchorless Prion Proteinâ€•Mice Share Prion Conformational Properties Diverging from Sporadic Creutzfeldt-Jakob Disease. Journal of Biological Chemistry, 2014, 289, 4870-4881.	1.6	15

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91	The Distribution of Prion Protein Allotypes Differs Between Sporadic and Iatrogenic Creutzfeldt-Jakob Disease Patients. PLoS Pathogens, 2016, 12, e1005416.	2.1	15
92	Are Cerebrospinal Fluid Biomarkers Useful in Predicting the Prognosis of Multiple Sclerosis Patients?. International Journal of Molecular Sciences, 2011, 12, 7960-7970.	1.8	14
93	Prion Strain Characterization of a Novel Subtype of Creutzfeldt-Jakob Disease. Journal of Virology, 2017, 91, .	1.5	14
94	Treatment of Inflammatory and Paraproteinemic Neuropathies. Current Drug Targets Immune, Endocrine and Metabolic Disorders, 2004, 4, 141-148.	1.8	14
95	Review of West Nile virus epidemiology in Italy and report of a case of West Nile virus encephalitis. Journal of NeuroVirology, 2014, 20, 437-441.	1.0	13
96	Persistent chemosensory dysfunction in a young patient with mild COVID-19 with partial recovery 15Âmonths after the onset. Neurological Sciences, 2022, 43, 99-104.	0.9	12
97	Biochemical Characterization of Prions. Progress in Molecular Biology and Translational Science, 2017, 150, 389-407.	0.9	11
98	Rapidly progressive dementia in hypereosinophilic syndrome. European Journal of Neurology, 2001, 8, 279-280.	1.7	10
99	Different Prion Conformers Target the Olfactory Pathway in Sporadic Creutzfeldtâ€“Jakob Disease. Annals of the New York Academy of Sciences, 2009, 1170, 637-643.	1.8	9
100	Reappraisal of AÎ²40 and AÎ²42 Peptides Measurements in Cerebrospinal Fluid of Patients with Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 66, 219-227.	1.2	9
101	Virology of the post-polio syndrome. Future Virology, 2007, 2, 183-192.	0.9	8
102	Complement neoantigen and vitronectin are components of plaques in amyloid AL neuropathy. Italian Journal of Neurological Sciences, 1992, 13, 493-499.	0.1	7
103	Detection of proteinase K resistant proteins in the urine of patients with Creutzfeldt-Jakob and other neurodegenerative diseases. Prion, 2008, 2, 170-178.	0.9	7
104	Cauda equina syndrome caused by lumbosacral epidural lipomatosis. A case report. Clinical Neurology and Neurosurgery, 2013, 115, 1549-1551.	0.6	7
105	Pathogenesis and Transmission of Classical and Atypical BSE in Cattle. Food Safety (Tokyo, Japan), 2016, 4, 130-134.	1.0	7
106	Molecular mechanisms of human prion diseases. Drug Discovery Today Disease Mechanisms, 2005, 2, 511-518.	0.8	6
107	The oldest old Creutzfeldt-Jakob disease case. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 1140-1142.	0.9	6
108	Clinical and biomarker assessment of demyelinating events suggesting multiple sclerosis. Acta Neurologica Scandinavica, 2013, 128, n/a-n/a.	1.0	6

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109	Characterization of Amyloid-Î² Deposits in Bovine Brains. Journal of Alzheimer's Disease, 2016, 51, 875-887.	1.2	6
110	Sporadic Creutzfeldt-Jakob disease presenting with isolated progressive non-fluent aphasia in a young woman. Neurological Sciences, 2017, 38, 1535-1537.	0.9	6
111	Hypothalamic-Bulbar MRI Hyperintensity in Anti-IgLON5 Disease with Serum-Restricted Antibodies: A Case Report and Systematic Review of Literature. Journal of Alzheimer's Disease, 2021, 79, 683-691.	1.2	6
112	Evidence of SARS-CoV-2 in nasal brushings and olfactory mucosa biopsies of COVID-19 patients. PLoS ONE, 2022, 17, e0266740.	1.1	6
113	Transmission characteristics of heterozygous cases of Creutzfeldt-Jakob disease with variable abnormal prion protein allotypes. Acta Neuropathologica Communications, 2020, 8, 83.	2.4	5
114	Sporadic Creutzfeldt-Jakob Disease: Prion Pathology in Medulla Oblongataâ€"Possible Routes of Infection and Host Susceptibility. BioMed Research International, 2015, 2015, 1-9.	0.9	4
115	Levofloxacin-induced hemichorea-hemiballism in a patient with previous thalamic infarction. Neurological Sciences, 2018, 39, 1483-1485.	0.9	4
116	Specific and Surrogate Cerebrospinal Fluid Markers in Creutzfeldtâ€"Jakob Disease. Advances in Neurobiology, 2011, , 455-467.	1.3	4
117	Post-polio syndrome: clinical manifestations and cerebrospinal fluid markers. Future Neurology, 2007, 2, 451-463.	0.9	4
118	PMCA-Based Detection of Prions in the Olfactory Mucosa of Patients With Sporadic Creutzfeldtâ€"Jakob Disease. Frontiers in Aging Neuroscience, 2022, 14, 848991.	1.7	4
119	Should MRI signs be included in the diagnostic criteria for sporadic Creutzfeldtâ€"Jakob disease?. Nature Clinical Practice Neurology, 2006, 2, 68-69.	2.7	3
120	Relative Abundance of apoE and AÎ²1â€"42 Associated with Abnormal Prion Protein Differs between Creutzfeldt-Jakob Disease Subtypes. Journal of Proteome Research, 2016, 15, 4518-4531.	1.8	3
121	Myelin uncompaction and axoâ€glial detachment in chronic ataxic neuropathy with monospecific IgM antibody to ganglioside GD1b. Journal of the Peripheral Nervous System, 2020, 25, 54-59.	1.4	3
122	HIV-1 detection in the olfactory mucosa of HIV-1-infected participants. Aids, 2019, 33, 665-674.	1.0	2
123	A 49-YEAR-OLD MAN WITH NEUROPSYCHIATRIC SYMPTOMS FOLLOWED BY PROGRESSIVE COGNITIVE DECLINE. Brain Pathology, 2006, 16, 237-238.	2.1	1
124	Distinct immunohistochemical localization in Kuru plaques using novel antiâ€prion protein antibodies. Microbiology and Immunology, 2008, 52, 25-29.	0.7	1
125	Penetration of Infectious Prion Protein in the Intestine During the Lactation Period. Mini-Reviews in Organic Chemistry, 2012, 9, 27-30.	0.6	1
126	Molecular Signature in Human and Animal Prion Disorders. , 0, , .		1

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127	Anti-Cholinergic Derangement of Cortical Metabolism on 18F-FDG PET in a Patient with Frontotemporal Lobar Degeneration Dementia: A Case of the TREDEM Registry. Journal of Alzheimer's Disease, 2020, 74, 1107-1117.	1.2	1
128	Detection and Diagnosis of Prion Diseases Using RT-QuIC: An Update. Neuromethods, 2017, , 173-181.	0.2	1
129	More Atypical than Atypical Alzheimer's Disease Phenotypes: A Treviso Dementia (TREDEM) Registry Case Report. Journal of Alzheimer's Disease Reports, 2021, 5, 365-374.	1.2	1
130	Encephalitis during first year of SARS-COV-2 pandemicâ€“ first results of the European ENCOVID registry. Journal of the Neurological Sciences, 2021, 429, 117803.	0.3	0
131	Cortical basal syndrome in a patient with a clinical and pathological overlap between Tauopathy and Synucleinopathy. Evidence from the Tredem registry. Journal of the Neurological Sciences, 2021, 429, 119009.	0.3	0
132	Bovine Spongiform Encephalopathy. , 2013, , 1-13.		0